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Why the Fake Food Race Is Worth $1 Trillion

Every 3 minutes an environmental activist is murdered and 200 species go extinct, driven by unsustainable practices of agribusiness companies. Is it time to stop the madness and protect the food control for the people?

By Dr. Joseph Mercola

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- Industrial agriculture is a key driver of environmental destruction and it has been for a long time. Rachel Carson described it in the name of profit beyond bounds and the need to fool nature.
- Industrial agriculture uses 70% of available farmland and produces just 30% of the world's food supply. Meanwhile, it's the leading cause of species loss, and will eventually kill the whole planet and eliminate any possibility of growing food.
- The rise of fake meat is an attempt at recreating the same global control of the food supply through a new and more advanced (mind-altering) GMO-based processed food.
- Once living animals are eliminated and replaced with patented plant-derived fake meat products, the control of the food supply will be complete. Game, set, and match. Humanity will have lost the battle for food freedom.
- Tasting Hawaii Impossible Burger contains 21 g/gm of glyphosate animal feed. Fake meat is not the solution to the problem. It is the cause. Don't be fooled and bring genetic and cancer agents home.

The fake meat race is heating up and it's not just for vegetarians and vegans. Celebrity hedge fund billionaires are aggressively backing the race.

Bill Gates, Jeff Bezos, Richard Branson and Leonardo DiCaprio, technocrats, genetically engineered (GE) food lobbyists, agribusiness and farm corporations, many of which do not appear on the food label.

Everyone is positioning themselves for the environmental and rebuilding act, buying organic plus supports animal welfare and promotes the biodiversity of plants and animals.

Unfortunately, Americans not only eat a preponderance of processed food, but they also eat 270 pounds of meat per year, which is 50% more than the "normal allowed" quantity that have been [linked to](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [chronic disease](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) and [death](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) on a number of [studies](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/).

Fortunately, Americans have not only seen a preponderance of processed food, but also [GMO](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) foods, which are [banned](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) in [most](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [countries](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) around the world due to [health risks](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/). Unfortunately, [death](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) is a number of [studies](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/).

Unfortunately, Americans not only eat a preponderance of processed food, but also eat significant amounts of processed food, and [disease statistics](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) reveal the ramifications of this trend. Any food that isn't organic is likely genetically engineered, the body of water on a more and more processed.

Depending on the amount of change the food undergoes, processing may be minimal or significant. It includes the heat treatment of foods, which destroys the whole, pasta, microwave meals and lab-created meat alternatives fall into the [ultra-processed](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) category.

The rise of processed and ultra-processed food as dietary staples also has a terrible impact on the environment. It destroys overall food security.

While edible gardens have become more popular in recent years, few are aware of the fact that the vast majority of the world's population is fed by a process-toxic, much of which is made with patented GE ingredients.

While you're the most from GE food? The patent holders – large, multinational corporations beholden to their shareholders rather than the local communities which the crops are grown, reap the profits.

[Vandana Shiva, Ph.D.,](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) has been an outspoken critic of the [industrial food](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) movement and the GE food takeover, specifically highlighting the many social and environmental problems it's patented [monocultures](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) have caused.

Industrial agriculture is a key driver of environmental destruction

In a recent [Independent Science News](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) article, Shiva discusses the progressive attempts at industrializing the global food system with more fake foods and fake meats, and the destruction that inevitably follows.

Shiva said:

"Food is not a commodity, it is not 'stuff' put together mechanically and artificially in labs and factories. Food is life. Food holds the biodiversity of all beings that make the food web, and it holds the potential of maintaining and regenerating the web of life.

"Food also holds the potential for health and disease, depending on how it is grown, processed, distributed, marketed and consumed.

'Everything is food, everything is something else's food.

"Hippocrates said 'Let food be thy medicine.' In Ayurveda, India's ancient science of life, food is called 'annaushadha' the medicine that cures all diseases.

"Industrial food systems have reduced food to a commodity, to 'stuff' that can then be constructed in the lab. In the process, both the planet's health and our health have been destroyed.

"75% of the planetary destruction of soil, water, biodiversity, and 33% of greenhouse gases are caused by industrial agriculture, which also contributes to 75% of food-related illnesses and deaths.

Importantly, the industrialization of agriculture, in which heavy use of chemicals is the norm, destroys soil, destroys its fertility and its ability to hold water. Water-hard rains it. As a result, it degrades land and turns it into desert—the [Dust Bowl](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) is a historical example.

[Industrial agriculture](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) also threatens global water supplies, degrading aquifers faster than they can refill and contaminating what's left with toxic chemicals and excess nutrients that drive toxic algae growth, resulting in [dead zones](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/). Plant and wildlife diversity — especially pollinating insects — are also decimated by industrial agriculture.

When you look at the artificial ecological [collapse](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) and [extinction](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) that industrial agriculture is a key driver of progressive destruction, yet the destructive cycle is defended in the name of affordable food and the need to feed the masses.

While its only reached its maximum capacity, but we're really precariously close to a time in which vast populations will be wiped out, in the form of rapidly changing courses.

It is important to realize that once topsoil is eradicated, you cannot grow food no matter how many chemicals you add to it.

In 2015 Alicia Hennessy Swiecki, deputy director general of natural resources for the Food and Agriculture Organization of the United Nations, warned that at the current rate of [soil degradation](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/), all the world's topsoil will be gone in less than 60 years.

Today, that means we may have only about 35 years left. Water shortages are also becoming a pressing problem around the world.

Fuels to carry hunger

As noted by [Shiva](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/), "Biodiversity intensive and poison-free agriculture ... produces more nutrition per acre while rejuvenating the planet. It cleans the water [so Shiva charges]".

She also points out that while industrial agriculture uses 70% of available farmland, it produces just 30% of the food we actually eat.

"Meanwhile, small, biodiverse farms using 22% of the land provide 70% of the food we eat," Shiva said. "Even in the U.S., where industrial agriculture dominates, the food in our diet is increased to 45%, we will have a dead planet. One with no life and no food.

Shiva wrote:

"The meat rush for [Fake Food and Fake Meats](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) ignores the diversity of our foods and food cultures, and the ecological crisis caused by industrial agriculture. Finally, it is a recipe for accelerating the destruction of the planet and our health.

"Once we have a tremendous amount of diligence and we're confident that in using GMO soy, we are not eating a soy backward in terms of sustainability."

In her article in [Independent Science News](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/), Shiva rebuts the company's claims, stating that:

"Given the fact that 90% of the research biomarkers have disappeared due to [Monsanto's](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [Roundup Ready](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [GMO](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [soy](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/), the technical business integrated into the whole process and cannot be washed off.

As reported by [Marie Arcos America](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) on May 16, 2019:

"The total result [of](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [glyphosate](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) and it's break down AMPA was 11.1 ppm. Moms Across America also tested the Beyond Meat Beyond Burger. The results were 1 ppb.

"Beyond Meat's product is being marketed as a solution for 'healthy' eating. When it has 21 g/gm of glyphosate herbicide concentration per 4oz burger, it is [dangerous](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/). Only 0.1 ppb of glyphosate has been shown to alter the gene function of over 4000 genes in the livers, kidneys and reproductive organs damage in rats.

"The Impossible Burger is made of GMO soy, which has been shown to [cause](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [hepatic damage](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) in animal studies and has been shown to be significantly different from non-GMO [soy](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/).

"The GM ingredients of the [Impossible Burger](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) are [soy leghemoglobin](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/), genetically modified yeast and GM soy leghemoglobin proteins, 46 of which are [entirely](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [new and unknown](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) proteins, even more concerning is many ingredients [sourced](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) from the long term health effects from glyphosate because of the [imported](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [soy](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) and [soy protein](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [isolates](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) which is acknowledged by the manufacturer."

In the same article, [Living Maxwell](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) goes on to say:

"An email to Impossible Foods asking 'How could the heme in the Impossible Burger be 'identical' to the heme humans have been consuming for thousands of years?' Impossible Foods responded, 'Our product is genetically engineer it? Yet yet to be reviewed?'

What's more, [Living Maxwell](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) points out that while the company told the U.S. Food and Drug Administration that its ingredients are "Generally Recognized As Safe," "similar" to proteins consumed in meat and other vegetables, Impossible Foods' own research admits to evidence that the heme is "toxic" to humans.

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Just how many GI ingredients does Impossible Burger contain?

Moms Across America also warns that GMO soy might not be the only [genetically engineered](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) ingredient in Impossible Burger. The full list of ingredients is so fake meat are also available in GE form (although it's unknown whether the company is using GE sources for them), and others may be [destroyed](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) with glyphosate right before harvest.

In short, any or all of the following ingredients in the Impossible Burger could potentially be GMO and/or contaminated with glyphosate:

- Soy Protein Concentrate ... Sunflower Oil, Natural Flavors ... Potato Protein, Methylcellulose, Yeast Extract, Cocoa Butter, Soy Leghemoglobin, Dextrose, Food Starch Modified, Soy Leghemoglobin ... Soy Protein Isolate, Mixed Tocopherols (Vitamin E) ... Thiamine Hydrochloride (Vitamin B1), Sodium Ascorbate (Vitamin C), Niacin, Zinc Gluconate, Pyridoxine Hydrochloride (Vitamin B6), Riboflavin (Vitamin B2), Vitamin B12

Hypothetically, the Impossible Burger may be nearly all GMO, as only four ingredients on its list are unlikely to be GMO: water, coconut oil, zinc gluconate and salt.

To quote [Shiva again](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/):

"Recent court cases have showcased the links of Roundup to cancer. With the buildup of [herbicides](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) related to cancer cases, the investments in Roundup Ready GMO crops is blindness to the market. On the hope that GMO crops will be profitable in the future."

How should producers and policymakers respond?

Shiva also points out another "entangled confusion" making specifically to the [Impossible Burger](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/):

According to Impossible Foods, the GE yeast-derived "heme" is what makes the [Impossible Burger](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) "deliver the delicious explosion of flavor and aroma of meat."

"I had thought that the plant-based diet was for vegans and vegetarians, not meat lovers," [Shiva](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) said.

It's a fair assumption, no doubt. But what's really driving the burgeoning fake meat industry is not actually a vegan mindset, rather the ultimate goal is to replace real meat altogether with a patented product.

Shiva wrote:

"Instead, the promotion of fake foods seems to have more to do with giving new life to the failing GMO agriculture and its model of control through IPR. Agribusiness [GMOs](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845772/) [GMO

drugs. His wife: Still alive, today. 98 years old. NOT VEGANS OR VEGETARIANS!! God placed animals on the planet for a reason. It wasn't just to eat grass. TO EACH HIS WON. Just search for meats that are organic and free rang. Animal cruelty is NOT acceptable. Period. PASS THAT ON TO FAUCI AND GATES, PLEASE!

Reply · Share ›

brbg ➚ fedupwithlies · a day ago

Any forensic anthropologist can tell you that our teeth prove us to be created as omnivores, meant to eat meat and veggies. Our incisors and eye teeth are meant for tearing meat off the bone and our molars are for crushing vegetables. God knows what's best for us, not arrogant men.

Reply · Share ›

Michael ➚ brbg · 4 hours ago

I challenge you to tear into the belly of a live rodent with your eye teeth, like a cat can. I'd be surprised if you could tear through the skin of a tomato with your eye teeth.

1 Reply · Share ›

krofter · 2 days ago

The Sprouts store where I get a fair amount of my food recently shrank its frozen meat section to accommodate increasing the fake meat section by about 75%. I've never seen anyone even look at the fake meat section. To potentially lose money on real meat I have to wonder if they're getting some sort of incentive from the makers of fake meat for the expansion. One would think that a food store that proclaims itself to be a health food store would not buy into this. Apparently not. So I talked to both the manager of the meat department and the store manager explaining the drawbacks of fake meat the benefits of real meat. They were clueless. It all seems to be part of the greater agenda
https://secularheretic.subs...

2 Reply · Share ›

dancingwaters · 2 days ago · edited

Dr. Mercola, who shows such common sense in other areas, here sets up a false dichotomy: the animal food derived from industrialized agriculture v. "patented plant-derived alternatives" such as Beyond Beef--factory meat v. fake meat--neither side of which is desirable. He also presupposes that once the companies that produce the "patented plant-derived alternatives" take over--why would they take over?--animal extinction will follow inevitably, and thus he pushes for regenerative agriculture--which embraces slaughter, about which there is nothing sustainable. There is another solution for all such evils--eliminate animal agriculture altogether, let animals live, and help farmers make a transition to plant farming. The vegan revolution--and many vegans are opposed to fake meat--is already happening.

3 2 Reply · Share ›

krofter ➚ dancingwaters · 2 days ago

How is slaughtering a domesticated animal not sustainable while slaughtering millions of wild rabbits, deer, gophers, turkeys, dove, quail, possums, raccoon, fish, turtles, snakes, lizards and countless other species of wild animals, by plowing under their native habitat to turn it into a sterile monoculture of soy or rice to feed a world of vegans... how is that sustainable? My goats forage peacefully on intact native ecosystems right alongside many of those wild animals. All are well taken care of. Can you say that about the monculture crops that most vegans depend on, crops that cover vast portions of the earth and have caused a 50% loss of top soil in the Midwest?

4 1 Reply · Share ›

Michael ➚ krofter · 4 hours ago

This is another example of a false dichotomy. The way that you present it, people who prefer a plant-based diet eat a "sterile monoculture of soy or rice". False.

1 Reply · Share ›

P Toyolo ➚ krofter · 3 hours ago

Most of the monocrops are fed to livestock, not humans. To grow food for vegans takes far fewer resources.

Reply · Share ›

Truth59 ➚ dancingwaters · 2 days ago

I would speak with whiteoakpastures.com about regenerative meat.

2 Reply · Share ›

tag ➚ dancingwaters · 2 days ago · edited

So what do you plan on doing with all the cows, chickens, sheep and pigs? Not too many I know want one for a house pet.

1 Reply · Share ›

P Toyolo ➚ tag · 3 hours ago

Millions wouldn't be intentionally bred.

Reply · Share ›

Michael · 4 hours ago

I would love it if the authors of this would admit that only plants create protein. Amino acids are created by plants, not animals. So getting protein from animals is second-hand protein, along with animal hormones and animal grease. It's expensive and unnecessary.

1 Reply · Share ›

Sapphire · 4 hours ago

The whole fake meat thing is really divide and Conquer between like minds …

It is funny to buy something labeled 'vegan' it can be produced with Glyphosate / GMOs which isn't so vegan if glyphosate kills biodiversity, soil , contaminates water . How vegan are vegans …

Vegan should also mean organic in my opinion

From listening to friends that are strong vegan , honestly they do not care about their own human health in relation to the ppb of glyphosate in fake meat they just look at it as - I have saved an animal by having fake or giving fake to someone

When buying Fake meat you are continuing to fund the human taste of meat surely an organic naturally vegan diet is easier …

Also fake meat shuts down the conversation of animal welfare …

Reply · Share ›

brbg · a day ago

This is all part of the globalist plan to make all people 100% dependent on the elite for survival. As Henry Kissinger, the psychopath globalist, said: " Who controls the food supply controls the people, who controls the energy can control whole continents, who controls money can control the world". Everyone should be growing their own veggies as much as possible, even in containers. They should only grow heirloom varieties so they can save the seed for the next season. I have no doubt that the globalists will eventually forbid the use of heirloom seeds. Don't let the murderous globalists control your life!

Reply · Share ›

Voyt Regnal · 2 days ago

"Industrial agriculture uses 75% of available farmland yet produces just 30% of food consumed globally. Small biodiverse farms use 25% of land and provide 70% of our diet. " So Shiva says so? Where is any link to reputable research to confirm this ? Frankly: I am a bit tired of her teachings.

Reply · Share ›

Truth59 ➚ Voyt Regnal · 2 days ago

I put your above quote in my browser and immediately came up with a Facebook page for Cloverfield Organic Farm. It looks like a beautiful farm, where it is I'm not sure.as the identifiers (aside from the English) are in a funny language that I don't recognize. I added the link so you could view the page.

https://ne-np.facebook.com/... Now if commenters would do a little bit of research before making a comment, I wouldn't have had to do it. I like Shiva and didn't want her to be criticized.

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